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APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/004,805 12/07/2001		12/07/2001	Hiromasa Shimizu	HITA.0131	7667	
38327	7590	04/07/2005		EXAMINER		
REED SMI	TH LLP		SEFER, AHMED N			
3110 FAIRV FALLS CHU		RK DRIVE, SUITE 1 A 22042	ART UNIT	PAPER NUMBER		
	•		2826			

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	·	Application	on No.	Applicant(s)					
		10/004,80	15	SHIMIZU ET AL.					
	Office Action Summary	Examiner		Art Unit					
		A. Sefer		2826					
Period fo	The MAILING DATE of this communication	appears on the	cover sheet with the c	orrespondence add	ress				
A SHOTHE No. 1 - Extended after 1 - If the 1 - If NO. 1 - Failure Any records	ORTENED STATUTORY PERIOD FOR REMAILING DATE OF THIS COMMUNICATIOns of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory period for reply is specified above, the maximum statutory period for reply will, by size to reply within the set or extended period for reply will, by size ply received by the Office later than three months after the need patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no even n. a reply within the statueriod will apply and witatute, cause the appl	nt, however, may a reply be time story minimum of thirty (30) days Il expire SIX (6) MONTHS from ication to become ABANDONEI	nely filed s will be considered timely. the mailing date of this con D (35 U.S.C. § 133).					
Status									
1)🖂	Responsive to communication(s) filed on 1	1/7/2005.							
		This action is n	on-final.						
· ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
5)⊠ 6)⊠ 7)□	 Claim(s) 1,6,8,9 and 12-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 1,6,8,9 and 12 is/are allowed. Claim(s) 13-15 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement. 								
Applicati	on Papers								
9)[The specification is objected to by the Exar	miner.							
10) 🗌	0)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	nder 35 U.S.C. § 119				•				
a)[Acknowledgment is made of a claim for force All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the application from the International Bustee the attached detailed Office action for a	nents have been nents have been priority documents ireau (PCT Rule	n received. n received in Application ents have been received e 17.2(a)).	on No ed in this National S	Stage				
Attachment	(s)		•						
8-3	e of References Cited (PTO-892)		4) Interview Summary	•					
3) 🛛 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SE No(s)/Mail Date <u>1/2005</u> .	•	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		152)				

DETAILED ACTION

Response to Amendment

1. The amendment filed 1/7/2005 has been entered. Claims 7, 10 and 11 have been cancelled and new claims 13-15 have been introduced.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 13-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Sumida JP 2000-75281.

Sumida discloses in fig. 2 a liquid crystal display device comprising: a first substrate 91 including color filters31-33; a liquid crystal layer 6; a second substrate 92 disposed opposite to the first substrate across the liquid crystal layer; first signal lines (unnumbered) formed on the second substrate; second signal lines (unnumbered) intersecting the first signal lines with an insulating film provided therebetween; a plurality of pixel regions formed as being surrounded by respective neighboring first signal lines and second signal lines; a base pattern 2 formed between neighboring pixel regions; first spacers 7 formed above the base pattern on the first substrate; and second spacers (under region 32) formed on a main surface of the first substrate without the base pattern in-between, wherein each of the second spacers is ordinarily spaced from a stacked structure formed on the second substrate to accommodate the liquid crystal

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layer therebetween, and each of the first spacers ordinarily contacts directly the stacked structure formed on the second substrate.

Regarding claim 14, Sumida discloses each of the second spacers contacts with the stacked structure formed on the second substrate, when the first spacers are subjected to an external force and elastically deformed.

Regarding claim 15, Sumida discloses the base pattern is covered by a protective film 5 provided between the base pattern and the first spacers.

Allowable Subject Matter

- 4. Claims 1, 6, 8, 9 and 12 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter: The prior art does not disclose a liquid crystal display device including some portions of a stacked structure contacting with first spacers are thicker than others of said portions of the stacked structure corresponding to a second spacers with the liquid crystal layer interposed therebetween.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

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MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Sefer whose telephone number is (571) 272-1921.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ANS April 1, 2005 SORY PATENT EXAMINER

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